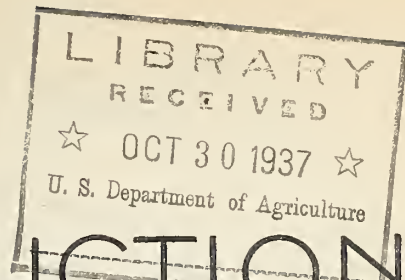


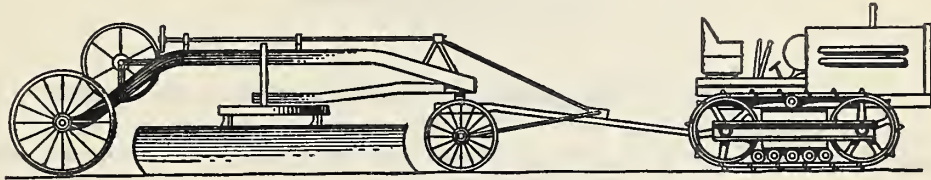
Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

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CONSTRUCTION



HINTS

UNITED STATES DEPARTMENT OF AGRICULTURE, FOREST SERVICE
WASHINGTON, D. C.

October 23, 1937.

Vol. 3

No. 16.

DIESEL FUEL NOZZLES MAY CAUSE INJURY

The Journal of the American Medical Association (September 11) and the Science News Letter (October 2), call attention to possible injury from fuel oil escaping under high pressure from diesel fuel nozzles.

Mechanics should use caution when testing these nozzles, to be sure that the jet does not strike any exposed parts of their hands or arms. Its velocity may be high enough to penetrate the skin, which might necessitate amputation of the injured member. The oil is said to be extremely irritating and apt to cause gangrene.

STARTING ASSEMBLY
FOR
ROCK CRUSHER MOTORS

Ogle Brown of the Shawnee Purchase Unit, in Region 9, has designed this unit, to facilitate the starting of crusher motors in cold weather.

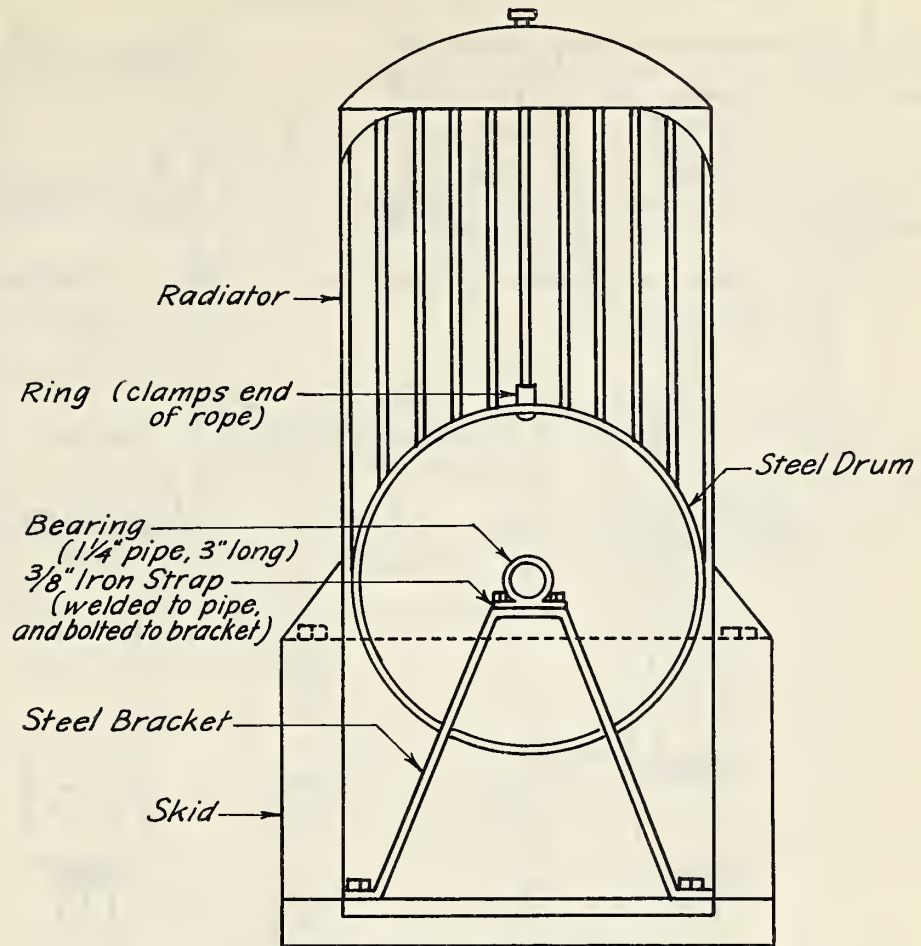
It can be built up along the lines illustrated, for any crusher unit. The principal parts are, a one-inch steel shaft, and a fifty (50) gallon steel drum. The drum is shortened, and has a steel flange welded on both ends. It is then welded to the shaft and mounted in short lengths of pipe or other simple bearings as shown.

With 100 feet of 3/4-inch rope wound on the drum, it is claimed that a motor can be started very easily, without any chance of injury to personnel.

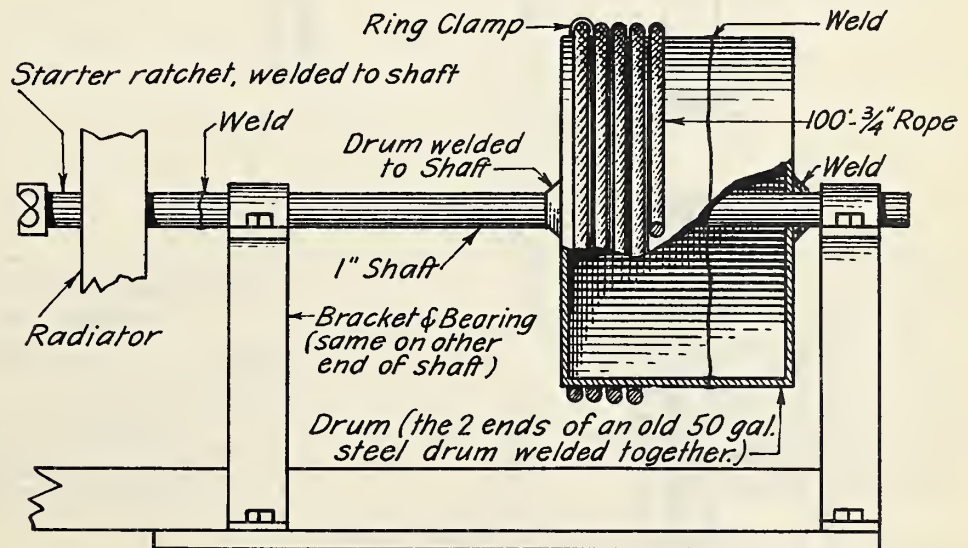
It is being used very successfully in several camps in Region 9.

STARTER FOR A ROCK CRUSHER MOTOR

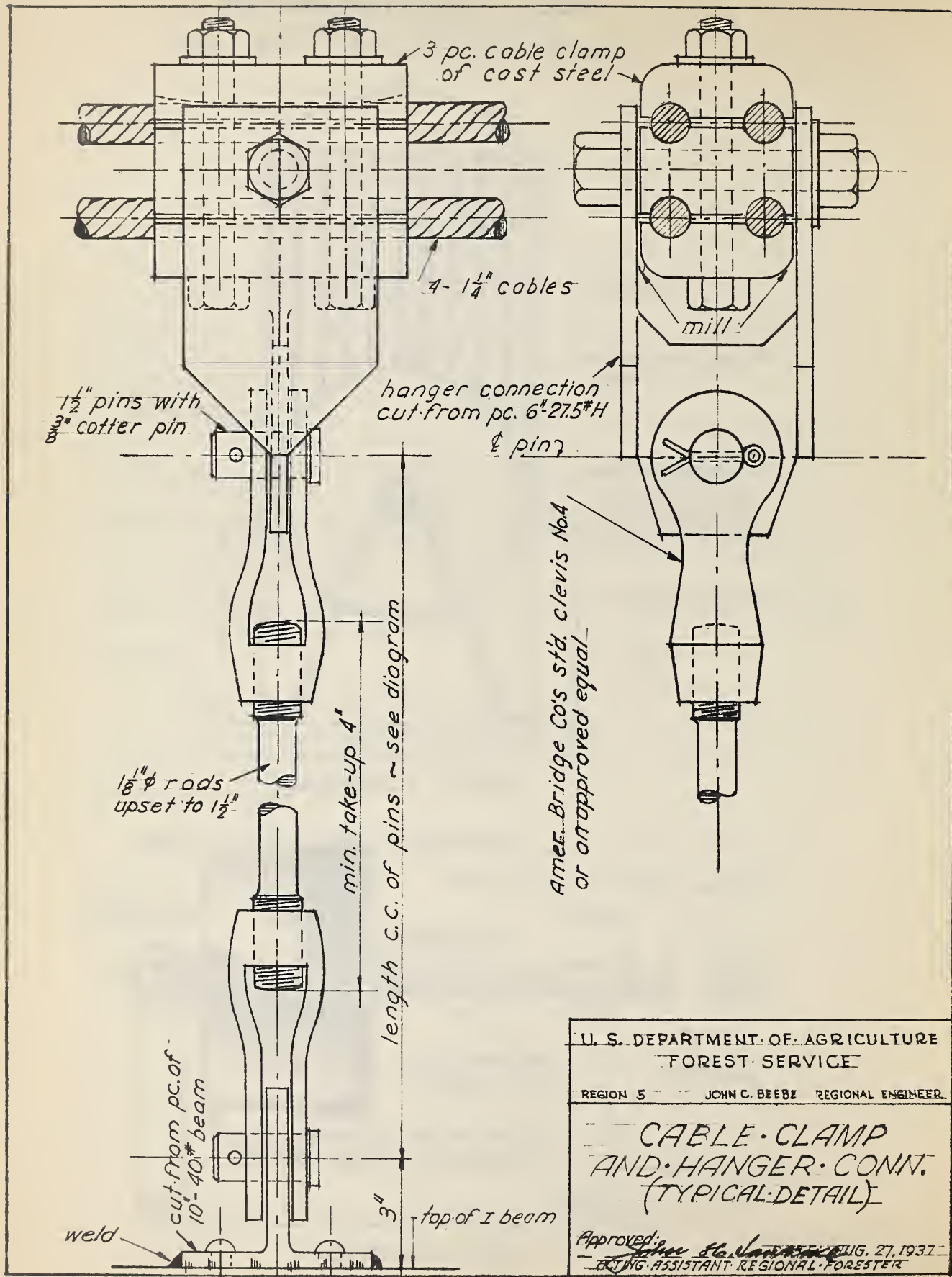
DESIGNED BY O. BROWN
SHAWNEE PURCHASE UNIT, FEB., 1936



FRONT ELEVATION

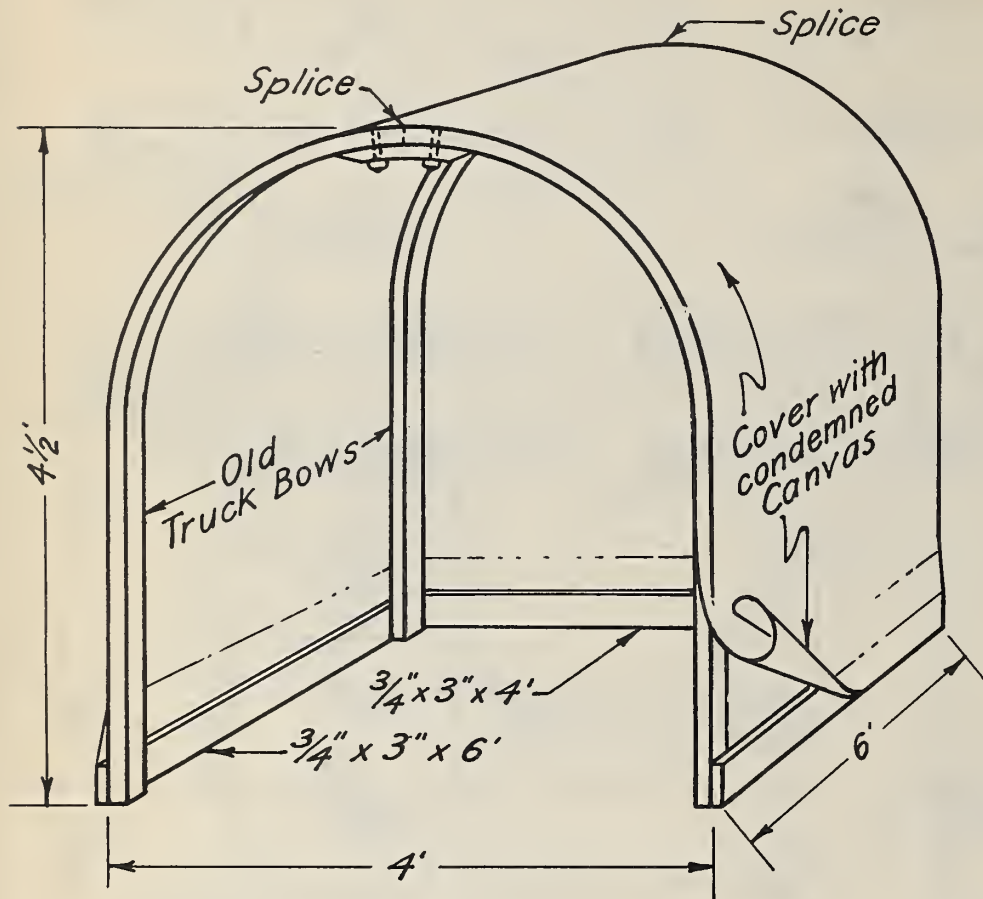


SIDE ELEVATION



PORTABLE TREE CACHE SHELTER

SUBMITTED BY E. C. HENDRICKSON
CAMP F-31, HIAWATHA NATIONAL FOREST



FIELD TREE CACHE SHELTER

This was used during the spring '37 planting season at Camp Au Train to very good advantage.

It is made from condemned property at a very low cost. A strip of wood or a small sapling pole can be added as a ridge pole if desired to make the shelter more rigid.

It has the advantage of being very portable, cheap, and can be shifted about, keeping the sun and wind from the daily field supply of seedlings. When it is desired to fill the planters boxes with trees the shelter can be lifted off the trees and placed out of the way. After the boxes have been filled it can again be placed over the stock.